

PATENT
Customer No. 22,852
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AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning at page 7, line 35, with the following rewritten paragraph:

The present invention also encompasses the novel DNA sequences, free of association with DNA sequences encoding other proteinaceous materials, and coding on expression for BMP-2 and BMP-4 proteins. These DNA sequences include those depicted in Figure 1 - 3 in a 5' to 3' direction and those sequences which hybridize under stringent hybridization conditions [see, T. Maniatis et al, Molecular Cloning (A Laboratory Manual), Cold Spring Harbor Laboratory (1982), pages 387 to 389, ~~which can be summarized as follows: (1) prehybridization of a filter for 2-4 hours at 68°C in prehybridization solution (6X SSC, 5X Denhardt's solution, 100 µg/ml denatured salmon sperm DNA); (2) hybridization for either 3-4 hours (cloned DNA) or 12-16 hours (total eukaryotic DNA) at 68°C in hybridization solution (6X SSC, 0.01M EDTA, 0.5% SDS, 100 µg/ml denatured salmon sperm DNA, labelled DNA probe); and (3) wash at at 68°C with 2X SSC and 0.5% SDS, then 2X SSC and 0.1% SDS, then 0.1X SSC and 0.5% SDS]~~ to the DNA sequences of Figures 1 - 3 and encode a protein have cartilage and/or bone inducing activity.